

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	9	("20020077683"   "20020111664"   "6240321"   "7315763").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/13 15:31
S2	72	("3815611"   "3974834"   "4662377"   "4662382"   "4932407"   "4662377"   "4662382"   "5005587"   "5014696"   "5348021"   "5350404"   "5385579"   "5411527"   "5423772"   "5423865"   "5431683"   "5433729"   "5458621"   "5545204"   "5545206"   "5681514"   "5755766"   "5759202"   "5800495"   "5800497"   "5803928"   "5919222"   "5931864"   "5935160"   "5385579"   "5411527"   "5681514"   "6001085"   "6070104"   "6122552"   "6192280"   "6201994"   "6240321"   "6321123"   "6377856"   "6201994").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/13 15:34
S3	2	("2002/0111664").URPN.	USPAT	OR	ON	2009/10/13 15:34
S4	2	("2002/0077683").URPN.	USPAT	OR	ON	2009/10/13 15:34
S5	2	("6408213").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/13 15:34
S6	24	("3974834"   "5545206"   "5755766"   "5759202"   "5800495"   "5800497"   "5803928"   "5931864"   "6001085"   "6070104"   "6122552"   "6240321").PN. OR ("6408213").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/13 15:34

S7	2	("6634364").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/13 15:35
S8	36	("20020193742"   "3769984"   "4311153"   "4506680"   "4577642"   "4649938"   "4819661"   "4886074"   "4953564"   "5002067"   "5003992"   "5015238"   "5397343"   "5425755"   "5447534"   "5456708"   "5476501"   "5496360"   "5507724"   "5522874"   "5531780"   "5620477"   "5669790"   "5693034"   "5720631"   "5755766"   "5782760"   "5807384"   "6039685"   "6042624"   "6192280"   "6193748"   "6287280"   "6473651").PN. OR ("6634364").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/13 15:36
S9	33	("20020019669"   "20030045921"   "20040030376"   "20040078057"   "20040116995"   "20040122501"   "4284085"   "4357497"   "4532930"   "4819647"   "5092333"   "5324321"   "5443493"   "5545219"   "5578084"   "5603726"   "5630839"   "5645585"   "5649970"   "5653742"   "5776178"   "6038484"   "6070105"   "6119044"   "6125302"   "6144883"   "6149657"   "6195586"   "6266568"   "6304787"   "6421569"   "7044942"   "7146227").PN. OR ("7315763").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/13 15:36
S10	2	("20040127968").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/13 15:37
S11	0	("2004/0127968").URPN.	USPAT	OR	ON	2009/10/13 15:37

S12	29	("4311153"   "4506680"   "4577642"   "4649938"   "4819661"   "4886074"   "4953564"   "5002067"   "5003992"   "5015238"   "5397343"   "5425755"   "5447534"   "5476501"   "5476708"   "5496360"   "5507724"   "5522874"   "5531780"   "5693034"   "5755766").PN. OR ("6240321").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/13 15:37
S13	43	kuzma-j\$.in. and (cochlea or cochlear or intracochlea or intracochlear) and seal \$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/13 15:38
S14	25	("4819647"   "4832051"   "4898183"   "4991582"   "5000194"   "5037497"   "5255678"   "5443493"   "5545219"   "5578084"   "5603726"   "5645585"   "5649970"   "5653742"   "5667514"   "6074422").PN. OR ("6266568").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/13 15:42
S15	29	("20030045921"   "20040030376"   "20040078057"   "20040116995"   "20040122501"   "20040172118"   "4284085"   "4357497"   "4532930"   "4819647"   "5443493"   "5545219"   "5578084"   "5603726"   "5630839"   "5645585"   "5649970"   "5653742"   "5776178"   "6038484"   "6070105"   "6119044"   "6125302"   "6144883"   "6195586"   "6304787"   "6421569"   "7146227").PN. OR ("7319906").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/13 15:45
S16	11	((("6606521") or ("20060235500") or ("2006008505"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/13 15:47
S17	7	((("6606521") or ("20060235500") or ("20060085055"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/13 15:47

S18	280	(("5238005") or ("5497784") or ("5520644") or ("5766203") or ("20040078057") or ("20050004627") or ("20060178720") or ("20070016132") or ("20070016165") or ("20070021771") or ("20080004684") or ("20080269864") or ("7451000") or ("20090043370") or ("4463765") or ("5484407") or ("5514112") or ("5971955") or ("4771776") or ("4771777") or ("4793350") or ("4821722") or ("4856529") or ("5002532") or ("5226421") or ("5236424") or ("5246007") or ("5256143") or ("5281218") or ("RE34564") or ("5315887") or ("5345936") or ("5348554") or ("5370660") or ("5383876") or ("5391147") or ("5415166") or ("5423811") or ("5520645") or ("5536252") or ("5588964") or ("5591179") or ("5651373") or ("5656029") or ("5658278") or ("5662608") or ("5697927") or ("5752970") or ("5779688") or ("5842971") or ("5860923") or ("5882345") or ("5908405") or ("5938671") or ("6014579") or	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/13 15:51
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("20060224102") or  
("20070060910") or  
("20070078439") or  
("20070142752") or  
("20070185435") or  
("20070221700") or  
("20070221701") or  
("20070225562") or  
("20070255303") or  
("20070255306") or  
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("20080077221") or  
("20080119849") or  
("20080119850") or  
("20080147063") or  
("20080147064") or  
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		( "20050149104") or ("20050149105") or ("20050256560") or ("20050267408") or ("20060058861") or ("20060217755") or ("20060235500") or ("20070083188") or ("20080015625") or ("20080109022") or ("20080147046") or ("20080188800") or ("20080221506") or ("4332053") or ("5357979") or ("5873817") or ("6047516") or ("6071010") or ("6202256") or ("20080067852") or ("4759378") or ("5456694") or ("5697948") or ("6228071")).PN. or (("20080027411") or ("20080058722") or ("5607462") or ("5908446") or ("6241744") or ("4273605") or ("4795427") or ("4898168") or ("4917088") or ("5228441") or ("5284128") or ("5315996") or ("5322064") or ("5378236") or ("5397341")).PN.				
S19	150	(607/55).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/13 15:52
S20	2641	(607/115-119).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/13 15:52
S21	200	(607/137).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/13 15:52

S22	4880	(607/115-128).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/13 15:52
S23	107	(dadd-f\$.in. or gibson-p\$. in. or svehla-m\$.in. or treaba-c\$.in.) and seal\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/13 15:53
S24	28	("4311153"   "4506680"   "4577642"   "4649938"   "4819661"   "4886074"   "4953564"   "5002067"   "5003992"   "5015238"   "5397343"   "5425755"   "5447534"   "5476501"   "5476708"   "5496360"   "5507724"   "5522874"   "5531780"   "569ki3034"   "5755766").PN. OR ("6240321").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/13 15:53
S25	186	S1 S2 S3 S4 S5 S6 S7 S8 S9 S10 S12 S14 S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/13 15:54
S26	463	S1 S2 S3 S4 S5 S6 S7 S8 S9 S10 S12 S14 S15 S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/13 15:54
S27	9	("20020077683"   "20020111664"   "6240321"   "7315763"). PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/14 11:05
S28	72	("3815611"   "3974834"   "4662377"   "4662382"   "4932407"   "4662377"   "4662382"   "5005587"   "5014696"   "5348021"   "5350404"   "5385579"   "5411527"   "5423772"   "5423865"   "5431683"   "5433729"   "5458621"   "5545204"   "5545206"   "5681514"   "5755766"   "5759202"   "5800495"   "5800497"   "5803928"   "5919222"   "5931864"   "5935160"   "5385579"   "5411527"   "5681514"   "6001085"   "6070104"   "6122552"   "6192280"   "6201994"   "6240321"   "6321123"   "6377856"   "6201994").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/14 11:05

S29	2	("2002/0111664").URPN.	USPAT	OR	ON	2009/10/14 11:05
S30	2	("2002/0077683").URPN.	USPAT	OR	ON	2009/10/14 11:05
S31	2	("6408213").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/14 11:05
S32	24	("3974834"   "5545206"   "5755766"   "5759202"   "5800495"   "5800497"   "5803928"   "5931864"   "6001085"   "6070104"   "6122552"   "6240321"). PN. OR ("6408213"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/14 11:05
S33	2	("6634364").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/14 11:05
S34	36	("20020193742"   "3769984"   "4311153"   "4506680"   "4577642"   "4649938"   "4819661"   "4886074"   "4953564"   "5002067"   "5003992"   "5015238"   "5397343"   "5425755"   "5447534"   "5456708"   "5476501"   "5496360"   "5507724"   "5522874"   "5531780"   "5620477"   "5669790"   "5693034"   "5720631"   "5755766"   "5782760"   "5807384"   "6039685"   "6042624"   "6192280"   "6193748"   "6287280"   "6473651").PN. OR ("6634364").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/14 11:05
S35	33	("20020019669"   "20030045921"   "20040030376"   "20040078057"   "20040116995"   "20040122501"   "4284085"   "4357497"   "4532930"   "4819647"   "5092333"   "5324321"   "5443493"   "5545219"   "5578084"   "5603726"   "5630839"   "5645585"   "5649970"   "5653742"   "5776178"   "6038484"	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/14 11:05



		"6070105"   "6119044"   "6125302"   "6144883"   "6149657"   "6195586"   "6266568"   "6304787"   "6421569"   "7044942"   "7146227").PN. OR ("7315763").URPN.				
S36	2	("20040127968").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/14 11:05
S37	29	("4311153"   "4506680"   "4577642"   "4649938"   "4819661"   "4886074"   "4953564"   "5002067"   "5003992"   "5015238"   "5397343"   "5425755"   "5447534"   "5476501"   "5476708"   "5496360"   "5507724"   "5522874"   "5531780"   "5693034"   "5755766").PN. OR ("6240321").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/14 11:05
S38	25	("4819647"   "4832051"   "4898183"   "4991582"   "5000194"   "5037497"   "5255678"   "5443493"   "5545219"   "5578084"   "5603726"   "5645585"   "5649970"   "5653742"   "5667514"   "6074422"). PN. OR ("6266568"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/14 11:05
S39	29	("20030045921"   "20040030376"   "20040078057"   "20040116995"   "20040122501"   "20040172118"   "4284085"   "4357497"   "4532930"   "4819647"   "5443493"   "5545219"   "5578084"   "5603726"   "5630839"   "5645585"   "5649970"   "5653742"   "5776178"   "6038484"   "6070105"   "6119044"   "6125302"   "6144883"   "6195586"   "6304787"   "6421569"   "7146227"). PN. OR ("7319906"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/14 11:05

S40	280	(("5238005") or ("5497784") or ("5520644") or ("5766203") or ("20040078057") or ("20050004627") or ("20060178720") or ("20070016132") or ("20070016165") or ("20070021771") or ("20080004684") or ("20080269864") or ("7451000") or ("20090043370") or ("4463765") or ("5484407") or ("5514112") or ("5971955") or ("4771776") or ("4771777") or ("4793350") or ("4821722") or ("4856529") or ("5002532") or ("5226421") or ("5236424") or ("5246007") or ("5256143") or ("5281218") or ("RE34564") or ("5315887") or ("5345936") or ("5348554") or ("5370660") or ("5383876") or ("5391147") or ("5415166") or ("5423811") or ("5520645") or ("5536252") or ("5588964") or ("5591179") or ("5651373") or ("5656029") or ("5658278") or ("5662608") or ("5697927") or ("5752970") or ("5779688") or ("5842971") or ("5860923") or ("5882345") or ("5908405") or ("5938671") or ("6014579") or	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/14 11:05
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("6228068") or  
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("20070142752") or  
("20070185435") or  
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("20070221701") or  
("20070225562") or  
("20070255303") or  
("20070255306") or  
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("20080119849") or  
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("20080147063") or  
("20080147064") or  
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("20080154256") or  
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("20080300638") or  
("20080312506") or  
("5382238") or  
("5637086") or  
("4917104") or  
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S41	463	S27 S28 S29 S30 S31 S32 S33 S34 S35 S36 S37 S38 S39 S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/14 11:05
S42	107	(dadd-f\$.in. or gibson-p\$. in. or svehla-m\$.in. or treaba-c\$.in.) and seal\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/14 11:06
S43	0	("2006/0178720").URPN.	USPAT	OR	ON	2009/10/14 11:08
S44	440	(dadd-f\$.in. or gibson-p\$. in. or svehla-m\$.in. or treaba-c\$.in. or parker-j\$. in.) and seal\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/14 11:09

S45	266	(dadd-f\$.in. or gibson-p\$.in. or svehla-m\$.in. or treaba-c\$.in. or parker-jo\$.in.) and seal\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/14 11:09
S46	3	("2002/0193742").URPN.	USPAT	OR	ON	2009/10/14 11:11
S47	103	("20020193742"   "3769984"   "4011875"   "4106512"   "4146036"   "4185639"   "4217913"   "4282885"   "4311153"   "4355646"   "4467806"   "4506680"   "4537186"   "4577642"   "4649904"   "4649938"   "4667686"   "4819661"   "4886074"   "4932407"   "4934381"   "4943289"   "4953564"   "5002067"   "5003990"   "5003992"   "5011482"   "5013310"   "5014696"   "5015238"   "5016646"   "5041107"   "5099838"   "5103837"   "5207683"   "5234437"   "5243996"   "5266325"   "5283063"   "5299580"   "5304121"   "5304218"   "5313943"   "5324324"   "5348021"   "5350404"   "5381790"   "5397343"   "5425755"   "5433729"   "5447534"   "5456708"   "5458621"   "5476498"   "5476501"   "5487385"   "5496360"   "5507301"   "5507724"   "5509411"   "5514173"   "5520194"   "5522874"   "5531780"   "5545204"   "5562275"   "5584873"   "5609622"   "5620477"   "5643231"   "5669790"   "5693034"   "5720631"   "5755765"   "5755766"   "5782239"   "5782760"   "5800495"   "5800497"   "5803928"   "5807384"   "5897819"   "5902329"   "5910364"   "5935137"   "5935160"   "5951597"   "5957842"   "6039685"   "6042624"   "6141576"   "6192280"   "6193748"   "6240321"   "6287280"   "6356791"   "6377856"	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/14 11:11

		"6408213"   "6447539"   "6473651"   "6634364"). PN. OR ("6901288"   "7412290").URPN.				
S48	3	(("20020016622") or ("20050085885")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/14 11:12
S49	9	(("2002/0016622"   "2005/0085885")).URPN.	USPAT	OR	ON	2009/10/14 11:12
S50	19	(("20020147412"   "20030109914"   "20030171796"   "20030195602"   "20030216771"   "20030220676"   "20050070986"   "4103690"   "5549109"   "5683445"   "5755766"   "5800495"   "5803928"   "5968085"   "6363287"   "6408213"   "6512957"   "6529779"   "6567704"). PN. OR ("7493173"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/14 11:13
S51	2	(("20050256558")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/14 11:14
S52	0	(("2005/0256558")).URPN.	USPAT	OR	ON	2009/10/14 11:14
S53	26	(("20030036790"   "20030236562"   "20040116995"   "20040172118"   "4357497"   "4532930"   "4686765"   "4819647"   "5037497"   "5545219"   "5578084"   "5645585"   "5653742"   "5720009"   "5999859"   "6038484"   "6070105"   "6078841"   "6119044"   "6125302"   "6144883"   "6195586"   "6374143"   "6397110"   "6421569"   "6757970"). PN. OR ("7451000"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/14 11:14

S54	25	( "20030045921"   "20030181967"   "20040030376"   "20040078057"   "20040116995"   "20040122501"   "3890977"   "4046151"   "4154247"   "4357497"   "4381013"   "4532930"   "4762135"   "5645585"   "5653742"   "5755765"   "5769077"   "5782744"   "5902329"   "6038484"   "6119044"   "6304787"   "6309410"   "6421569"). PN. OR ("7269461"   "7272449").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/14 11:15
S55	23	( "20030045921"   "20040030376"   "20040078057"   "20040116995"   "20040122501"   "3890977"   "4046151"   "4154247"   "4357497"   "4381013"   "4532930"   "4762135"   "5645585"   "5653742"   "5755765"   "5782744"   "5902329"   "6038484"   "6119044"   "6304787"   "6421569"). PN. OR ("7146227"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/14 11:16
S56	31	( "20040039245"   "20040133250"   "20040196169"   "20050062567"   "4053952"   "4125828"   "4207554"   "4573994"   "5458631"   "5853394"   "5876443"   "5891183"   "5922017"   "5983139"   "5997524"   "5999859"   "6231604"   "6259951"   "6309410"   "6348070"   "6361494"   "6377849"   "6535153"   "6556870"   "6594525"   "6600955"   "6661363"   "6727833"   "6838963"   "D419677"). PN. OR ("7044942"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/14 11:16

S57	43	("3769984"   "4355646"   "5003990"   "5304218"   "5381790"   "5487385"   "5584873"   "5755765"   "5755766"   "5800495"). PN. OR ("6192280"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/14 11:19
S58	21	("20020016622"   "20020077685"   "4355646"   "4506680"   "4944088"   "4972848"   "5246014"   "5342414"   "5466254"   "5584873"   "5676694"   "5871530"   "5928277"   "5935160"   "6141593"   "6192280"   "6295476"   "6321123"   "6456888").PN. OR ("7031777").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/14 11:22
S59	2	("20040064173").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/14 11:23
S60	15	("4791939"   "4796642"   "5261419"   "5505686"   "5722425"   "5728148"   "5752915"   "5755766"   "5803928"   "5807339"   "5935160"   "6192280"   "6389320"   "6456890"). PN. OR ("6944506"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/14 11:24
S61	26	("3757768"   "4136703"   "4643716"   "5109830"   "5125395"   "5131406"   "5170787"   "5179961"). PN. OR ("5807339"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/14 11:25
S62	48	("4355646"   "4506680"   "4577642"   "4606118"   "4711251"   "4718423"   "4762129"   "4784892"   "4815478"   "4922912"   "4972848"   "5003990"   "5040548"   "5087244"   "5246014"   "5279560"   "5387233"   "5395352"   "5569296"   "5571161"   "5584873"   "5755766"   "5851226"   "5964795"   "6006122"   "6006137"   "6120500"   "6122522"   "6192280"   "6235025"	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/14 11:27



		"6259953"   "6306106"   "6377856").PN. OR ("6567704").URPN.				
S63	2	("20020077685").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/14 11:28
S64	11	("2002/0077685").URPN.	USPAT	OR	ON	2009/10/14 11:28
S65	28	("20020077685"   "20030097121"   "4306563"   "4351337"   "4357497"   "4532930"   "4819662"   "4994069"   "5066278"   "5458631"   "5474542"   "5531780"   "5554114"   "5653742"   "5697951"   "5929041"   "5975085"   "6038482"   "6038484"   "6078841"   "6125302"   "6163729"   "6259951"   "6304787"   "6309410"   "6398758"   "6421569"   "7272449"). PN. OR ("7571012"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/14 11:28
S66	323	S46 S47 S49 S50 S53 S54 S55 S56 S57 S58 S60 S61 S62 S64 S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/14 11:33
S67	703	S41 S66	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/14 11:33
S68	401	S67 and (seal\$5 or plug\$4 or valve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/14 11:33
S69	274	S67 and ((seal\$5 or plug \$4 or valve) same (bore or channel or lumen or needle or stylet or opening))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/14 11:34
S70	81	S67 and ((seal\$5 or plug \$4 or valve) near (bore or channel or lumen or needle or stylet or opening))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/14 11:35

S71	339	S67 and ((seal\$5 or plug \$4 or valve) same2 (bore or channel or lumen or needle or stylet or opening))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/14 11:35
S72	339	S69 S70 S71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/14 11:35
S73	60	("4046151"   "4106512"   "4142531"   "4146036"   "4217913").PN. OR ("4311153").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/14 11:37

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